

## ABSTRACT

A shock absorbing striking implement comprises a barrel and a handle. The barrel component comprises a distal end and a proximal end. The proximal end of the barrel tapers into a thin rod. The handle component is hollow with a proximal end and an outward tapered distal end. The tapered proximal end of the barrel component is inserted into the outward tapered distal end of the handle component. An elastomeric material is inserted in the region between the proximal end of the barrel component which is inserted within the distal end of the handle component, and the distal end of the handle component. The elastomeric material is selected with a modulus of elasticity and damping factor such that the vibrations of the tapered proximal end of the barrel embedded in the elastomeric material induced by the transverse waves that propagate through the striking implement are largely absorbed by the elastomeric material. In this manner the transverse waves are absorbed into the elastomeric material and not transferred to the handle, or player.